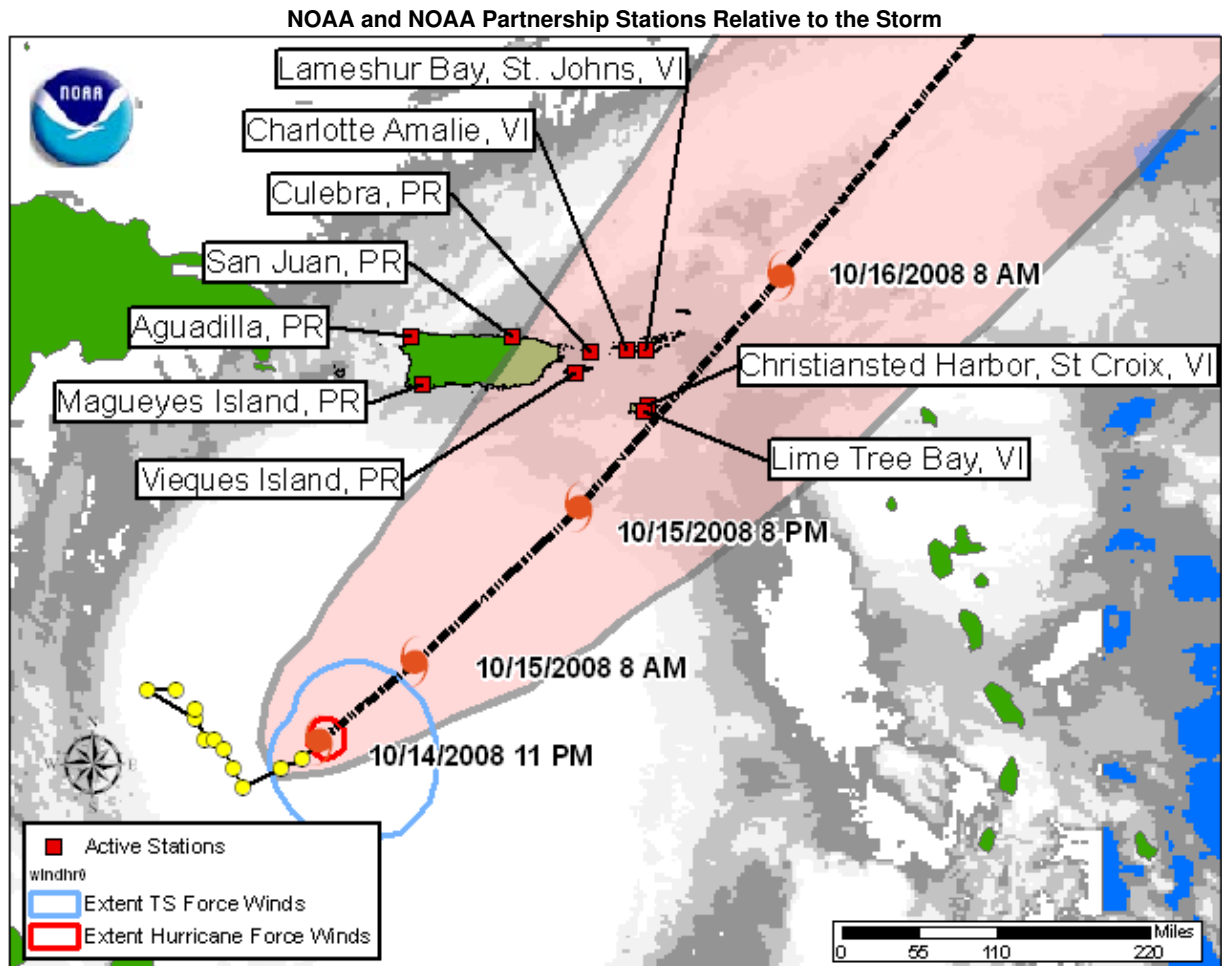




Hurricane OMAR QuickLook
Posted: 01:00 AST 10/15/2008



Storm Analysis

As of 10/15/2008 01:00 AST, water levels in Puerto Rico and the U.S. Virgin Islands range from predicted levels to nearly 0.5 ft above predicted. Wind speeds are currently less than 10 knots. Barometric pressure is falling overall with minimum value less than 1,007 mb.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Lime Tree Bay, VI: Next predicted high tide is 0.96 ft (0.29 m) at 10/15/2008 10:06 AST.

Christiansted Harbor, St. Croix, VI: Next predicted high tide is 0.83 ft (0.25 m) at 10/15/2008 09:00 AST.

Lameshur Bay, St. Johns, VI: Next predicted high tide is 0.93 ft (0.28 m) at 10/15/2008 10:36 AST.

Charlotte Amalie, VI: Next predicted high tide is 1.12 ft (0.34m) at 10/15/2008 09:06 AST.

Culebra, PR: Next predicted high tide is 1.25 ft (0.38 m) at 10/15/2008 08:48 AST.

Vieques Island, PR: Next predicted high tide is 0.76 ft (0.23 m) at 10/15/2008 08:24 AST.

Magueyes Island, PR: Next predicted high tide is 1.55 ft (0.47 m) at 10/15/2008 09:48 AST.

Aguadilla, PR: Next predicted high tide is 1.58 ft (0.48 m) at 10/15/2008 09:30 AST.

San Juan, PR: Next predicted high tide is 2.07 ft (0.63 m) at 10/15/2008 10:18 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: TB

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE OMAR ADVISORY NUMBER 7

1100 PM AST TUE OCT 14 2008

OMAR BECOMES A HURRICANE NEW WARNINGS ISSUE

AT 11 PM AST A HURRICANE WARNING HAS BEEN ISSUED FOR THE U.S. VIRGIN ISLANDS AND THE ISLANDS OF VIEQUES AND CULEBRA.

A HURRICANE WATCH AND A TROPICAL STORM WARNING REMAIN IN EFFECT FOR PUERTO RICO. A HURRICANE WARNING COULD BE REQUIRED FOR PUERTO RICO WEDNESDAY MORNING.

AT 1100 PM AST THE CENTER OF HURRICANE OMAR WAS LOCATED NEAR OR ABOUT 315 MILES SOUTH-SOUTHWEST OF SAN JUAN PUERTO RICO.

OMAR IS MOVING TOWARD THE NORTHEAST NEAR 6 MPH AND THIS MOTION IS EXPECTED TO CONTINUE WITH A GRADUAL INCREASE IN FORWARD SPEED OVER THE NEXT DAY OR TWO. ON THE FORECAST TRACK OMAR WOULD MOVE THROUGH THE NORTHERN LEEWARD ISLANDS WEDNESDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH WITH HIGHER GUSTS. OMAR IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON SCALE. ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 24 TO 36 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 15 MILES FROM

THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 90 MILES.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 979 MB.

OMAR IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 4 TO 8 INCHES OVER PORTIONS OF THE NETHERLANDS ANTILLES WITH MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 2 TO 4 INCHES WITH MAXIMUM AMOUNTS OF 6 INCHES ARE POSSIBLE ACROSS EXTREME NORTHWESTERN AND NORTH-CENTRAL VENEZUELA AND THE NORTHERN GUAJIRA PENINSULA. TOTAL RAINFALL AMOUNTS OF 5 TO 10 INCHES WITH MAXIMUM AMOUNTS UP TO 20 INCHES WILL BE POSSIBLE ACROSS PUERTO RICO AND THE NORTHERN LEEWARD ISLANDS. THESE RAINS COULD PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

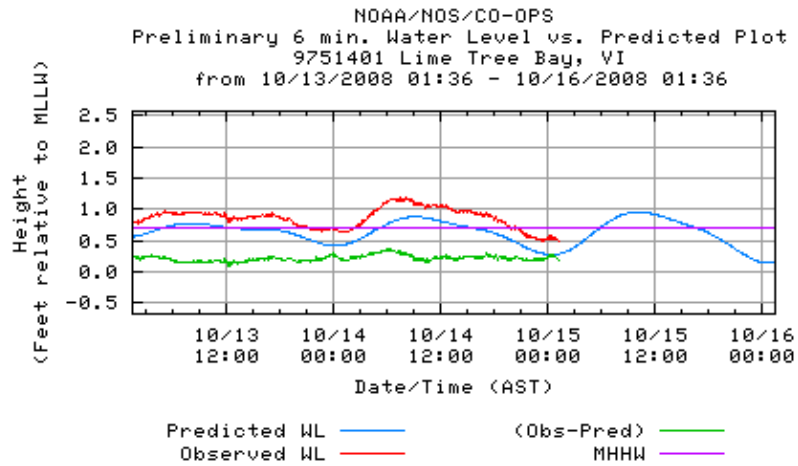
COASTAL STORM SURGE FLOODING OF 1-2 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES .CAN BE EXPECTED NEAR AND TO THE RIGHT OF THE PATH OF OMAR. IN ADDITION OMAR IS EXPECTED TO PRODUCE LARGE SWELLS THAT WILL AFFECT THE WEST- AND SOUTH-FACING COASTS OF PUERTO RICO AND THE ISLANDS OF THE LESSER ANTILLES. THESE SWELLS COULD CAUSE BEACH EROSION AND DAMAGE TO COASTAL STRUCTURES.

FORECASTER FRANKLIN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Lameshur Bay, St. John - Water Level](#), [Lameshur Bay, St. John - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Culebra - Water Level](#), [Esperanza, Vieques Island - Water Level](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Magueyes Island - Barometric](#), [Aguadilla - Water Level](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#),

Lime Tree Bay, VI - Station Map [Return to List](#)

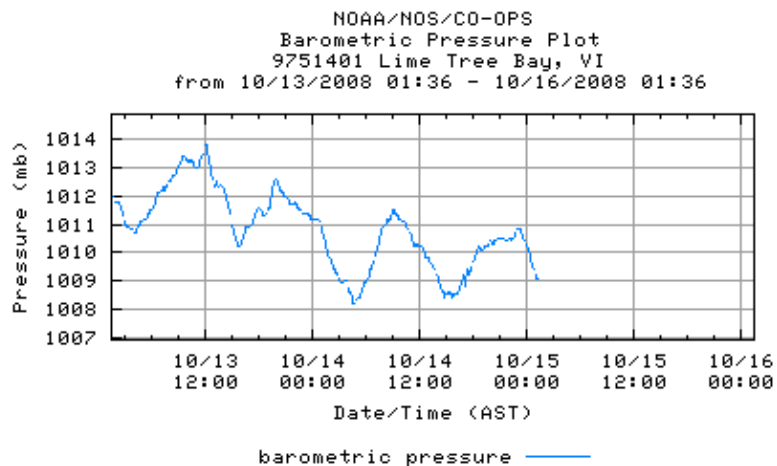


Last Observed Sample: 10/15/2008 01:18 (AST)

Relative to **MLLW**: **Observed: 0.49 ft. Predicted: 0.29 ft. Residual: 0.20 ft.**

Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

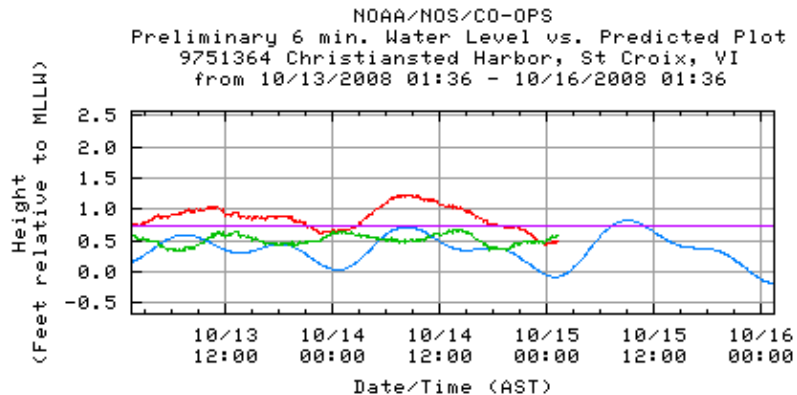
Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 01:18 (AST)

Barometric Pressure: 1009.1 mb

Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)

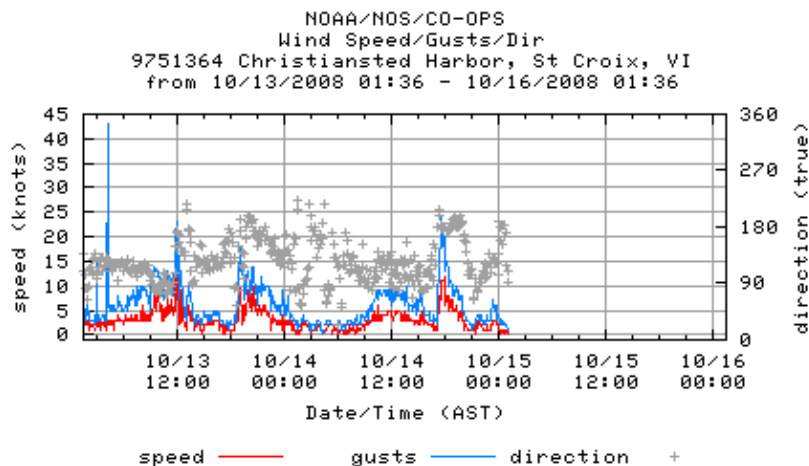


Last Observed Sample: 10/15/2008 01:18 (AST)

Relative to **MLLW**: **Observed: 0.50 ft. Predicted: -0.08 ft. Residual: 0.58 ft.**

Historical Maximum Water Level: 10/13/2006, 0.73 ft. above **MHHW**

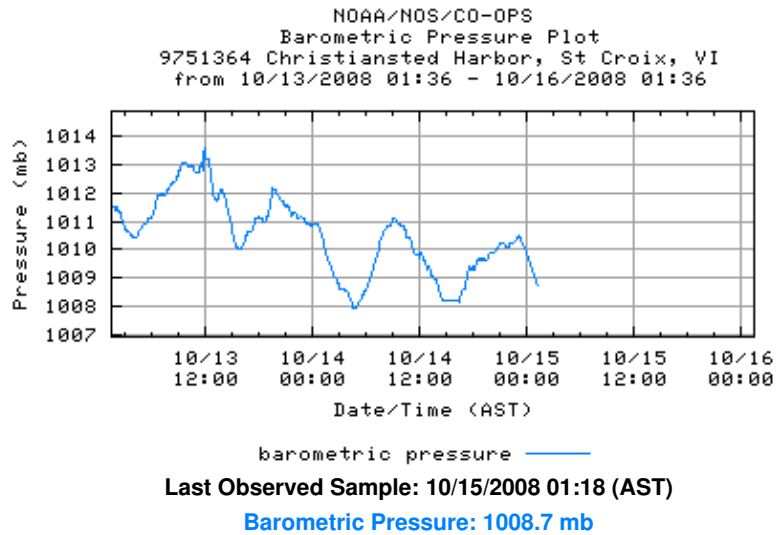
Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)



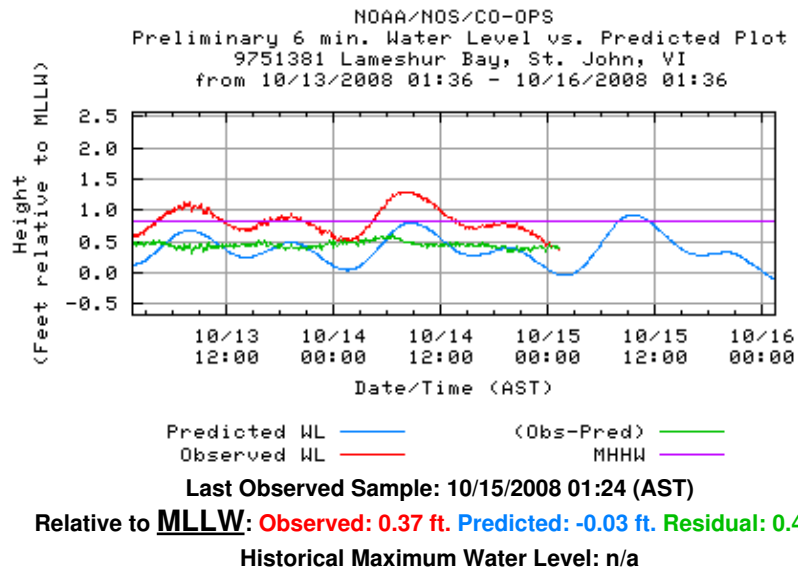
Last Observed Sample: 10/15/2008 01:12 (AST)

Wind Speed: 1 knots Gusts: 1 knots Direction: 090° T

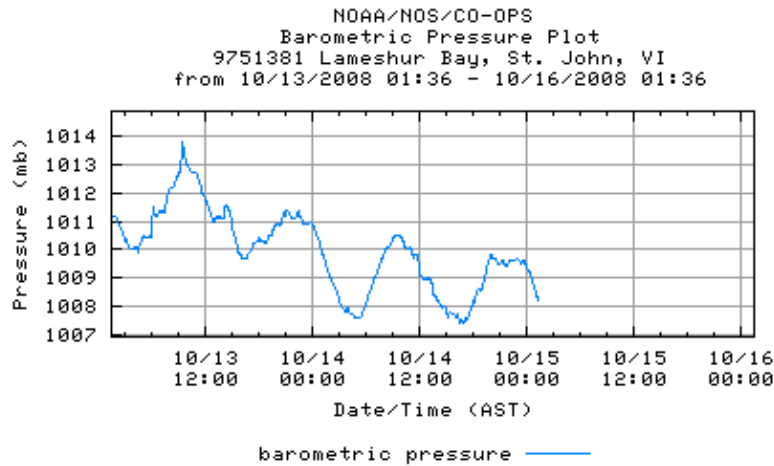
Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)



Lameshur Bay, St. John, VI - [Station Map](#) [Return to List](#)



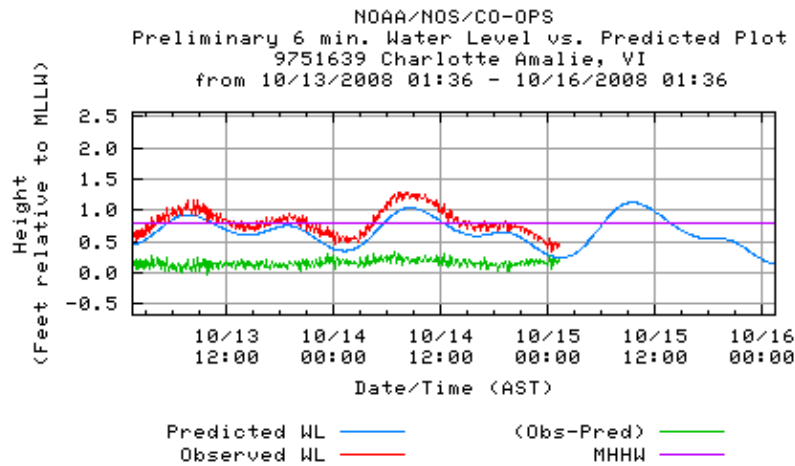
Lameshur Bay, St. John, VI - [Station Map](#) [Return to List](#)



Last Observed Sample: 10/15/2008 01:24 (AST)

Barometric Pressure: 1008.2 mb

Charlotte Amalie, VI - [Station Map](#) [Return to List](#)

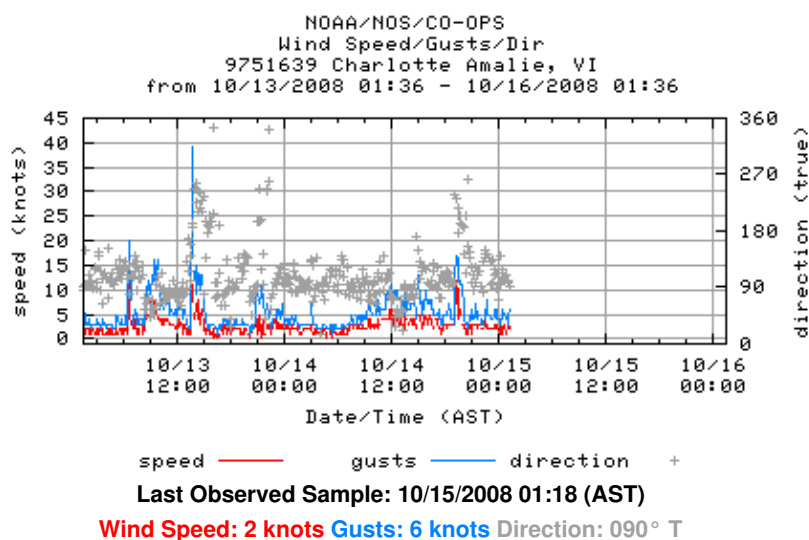


Last Observed Sample: 10/15/2008 01:18 (AST)

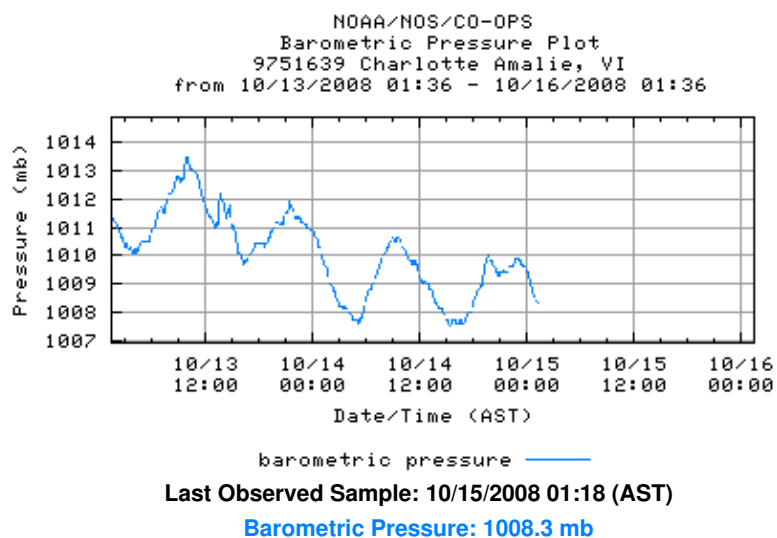
Relative to **MLLW**: Observed: 0.46 ft. Predicted: 0.25 ft. Residual: 0.21 ft.

Historical Maximum Water Level: 09/16/1995, 2.93 ft. above **MHHW**

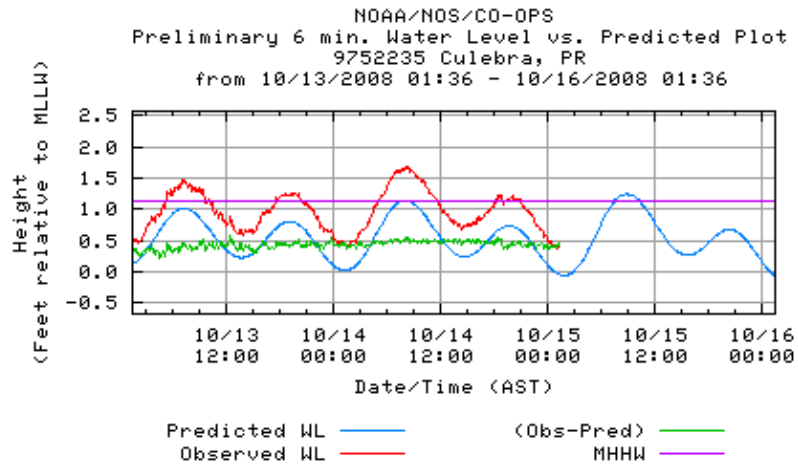
Charlotte Amalie, VI - Station Map [Return to List](#)



Charlotte Amalie, VI - Station Map [Return to List](#)



Culebra, PR - Station Map [Return to List](#)

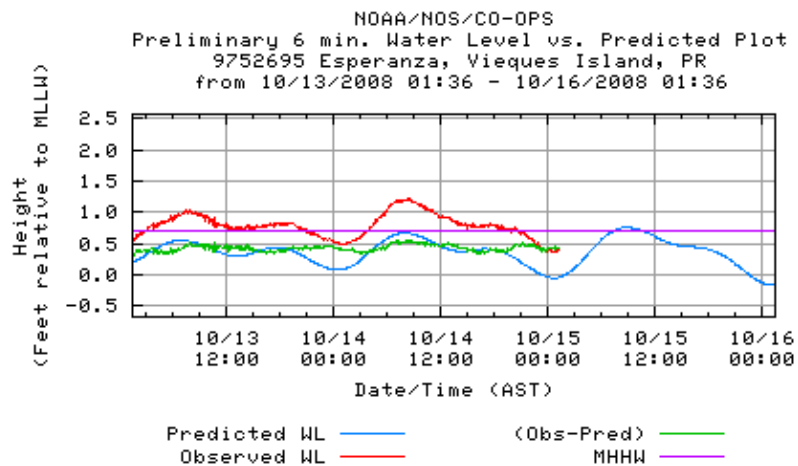


Last Observed Sample: 10/15/2008 01:24 (AST)

Relative to **MLLW**: **Observed: 0.40 ft. Predicted: -0.04 ft. Residual: 0.44 ft.**

Historical Maximum Water Level: 11/06/2006, 0.86 ft. above **MHHW**

Esperanza, Vieques Island, PR - Station Map [Return to List](#)

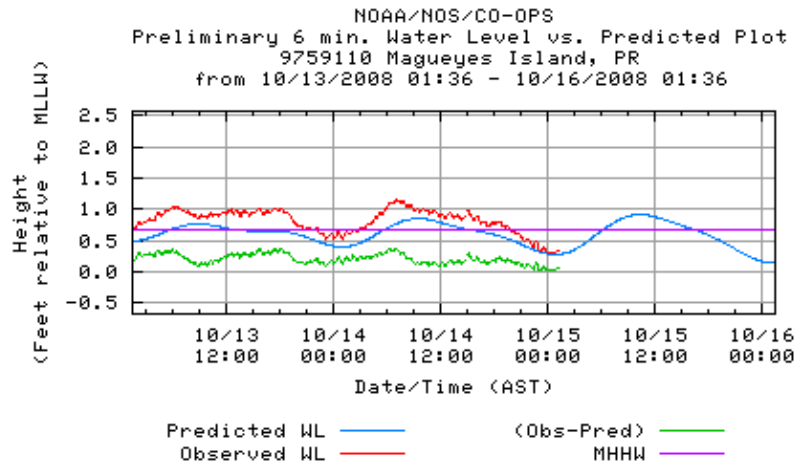


Last Observed Sample: 10/15/2008 01:24 (AST)

Relative to **MLLW**: **Observed: 0.40 ft. Predicted: -0.04 ft. Residual: 0.44 ft.**

Historical Maximum Water Level: 10/13/2006, 0.83 ft. above **MHHW**

Maguëyes Island, PR - Station Map [Return to List](#)

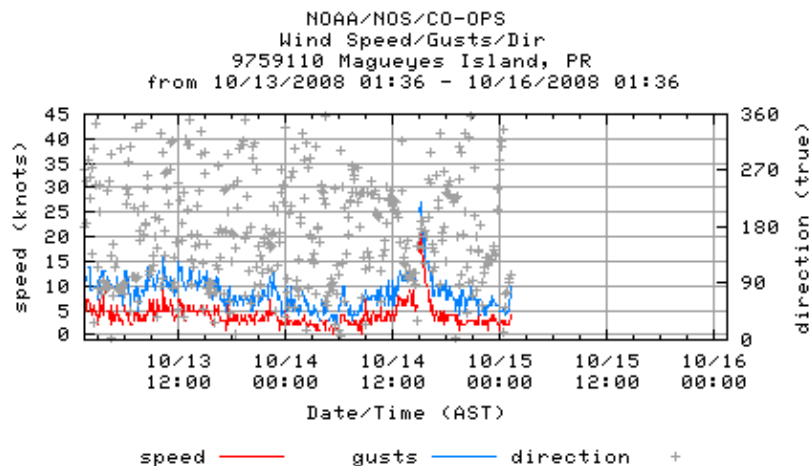


Last Observed Sample: 10/15/2008 01:18 (AST)

Relative to **MLLW**: **Observed: 0.34 ft. Predicted: 0.28 ft. Residual: 0.06 ft.**

Historical Maximum Water Level: 09/22/1998, 1.6 ft. above **MHHW**

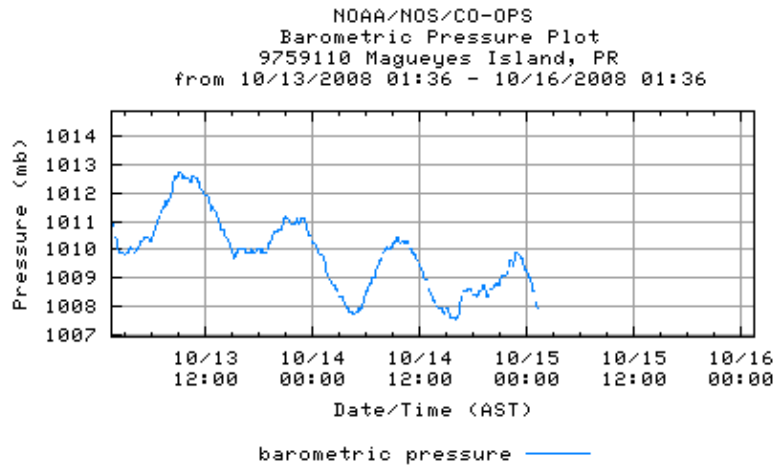
Maguëyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 01:18 (AST)

Wind Speed: 4 knots Gusts: 10 knots Direction: 105° T

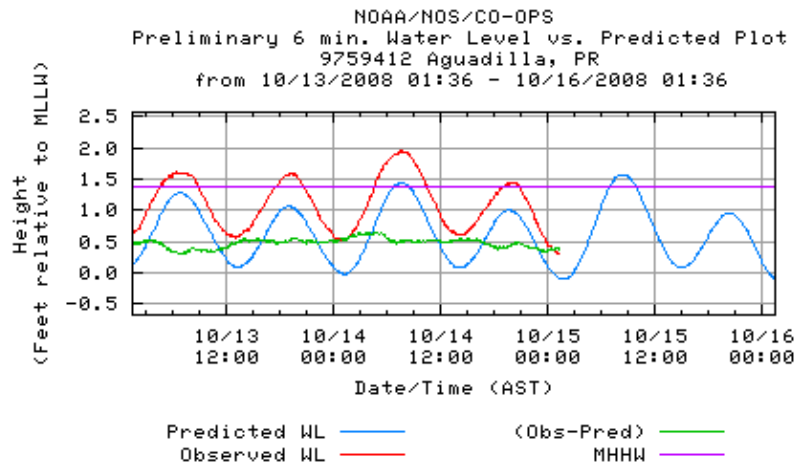
Magueyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 01:18 (AST)

Barometric Pressure: 1007.9 mb

Aguadilla, PR - Station Map [Return to List](#)

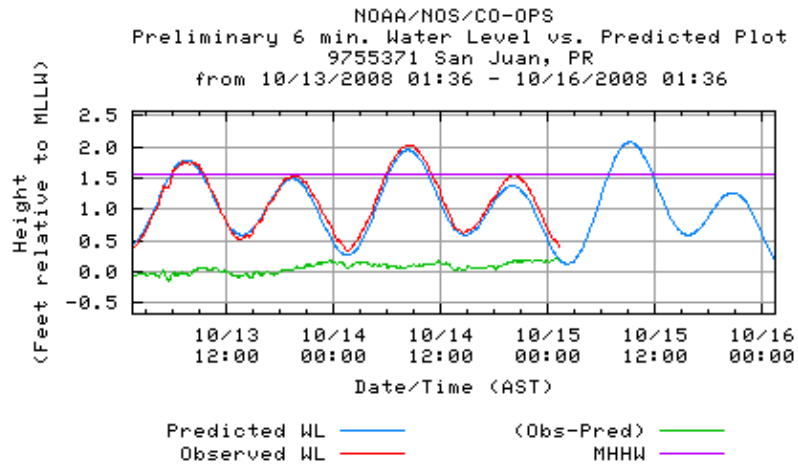


Last Observed Sample: 10/15/2008 01:24 (AST)

Relative to **MLLW**: Observed: 0.30 ft. Predicted: -0.08 ft. Residual: 0.38 ft.

Historical Maximum Water Level: 10/28/2007, 0.95 ft. above **MHHW**

San Juan, PR - Station Map [Return to List](#)

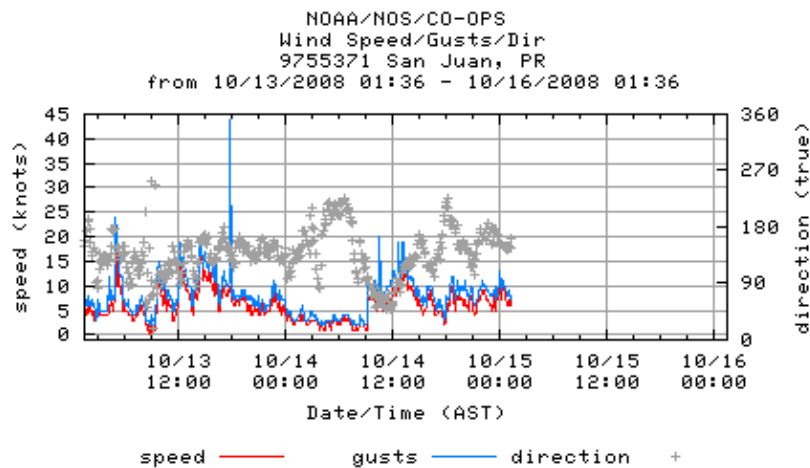


Last Observed Sample: 10/15/2008 01:24 (AST)

Relative to **MLLW**: **Observed: 0.40 ft. Predicted: 0.20 ft. Residual: 0.20 ft.**

Historical Maximum Water Level: 09/21/1998, 1.21 ft. above **MHHW**

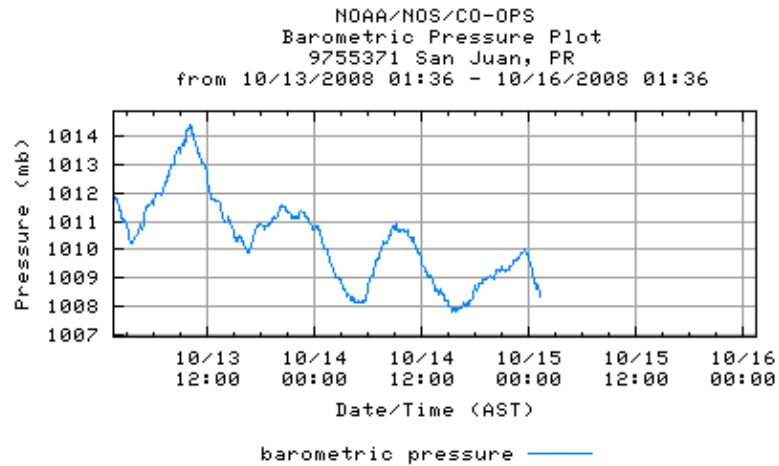
San Juan, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 01:24 (AST)

Wind Speed: 6 knots Gusts: 7 knots Direction: 147° T

San Juan, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 01:24 (AST)

Barometric Pressure: 1008.3 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce